

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

DATE: IN 5-28-97 OUT 6-30-97

FILE OR REG. NO. 67503-2

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE DIV. RECEIVED May 12, 1997

DATE OF SUBMISSION May 7, 1997

DATE SUBMISSION ACCEPTED \_\_\_\_\_

TYPE PRODUCT(S): (I,)D, H, F, N, R, S \_\_\_\_\_

DATA ACCESSION NO(S). None; D236139; S524230; Case# 034900; AC:305

PRODUCT MGR. NO. 13-LaRocca/DeLuise

PRODUCT NAME(S) Allercurb Multi-Purpose 10% E.C.

COMPANY NAME Medachieve, Incorporated

SUBMISSION PURPOSE Provide amended labeling and data references in support of adding a claim for residual control of fleas as a surface spray and by carpet injection.

CHEMICAL & FORMULATION Permethrin: (3-phenoxyphenyl)methyl(+)cis, trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate\*  
\*Cis/trans isomer ratio: 10.0%  
Maximum 65%(+)trans, (approx. 1.0 lb./gal. active emulsifiable)  
Minimum 35%(+)cis

CONCLUSIONS & RECOMMENDATIONS The data referenced here and previously reviewed for the house dust mite claim under MRID 441553-01 demonstrated up to 82.2% mortality at 48 hours after treatment as a surface spray using the subject product and 100% mortality at 48 hours after treatment using carpet injection simulating action of an injection machine, with a concentration of 0.1% active ingredient. Based on the fact that the directions for fleas involve use of a 0.5% concentration of active ingredient with the subject product, previously reviewed data on permethrin carpet treatment at the same concentration are also applicable. According to REFS, there are 17 active registrations of 0.5% permethrin ready-to-use formulations for use on household surfaces indoor and household indoor contents that carry claims for fleas, and 5 of them also carry specific claims for flea larvae. None of these products have any active ingredient other than permethrin. Therefore, the database is adequate to support the claim for fleas for the subject product.

RL Vern L. McFarland, IB

1081